COURSERA CAPSTONE PROJECT

Opening a restaurant in Bangalore, India

By

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Introduction

Bangalore is the capital of the Indian state of Karnataka. It has a population of about 10 million and a metropolitan population of about 8.52 million, making it the third most populous city and fifth most populous urban agglomeration in India. Located in southern India on the Deccan Plateau, at a height of over 900 m (3,000 ft) above sea level, Bangalore is known for its pleasant climate throughout the year. Its elevation is the highest among the major cities of India.

There are many Restaurants in Bangalore, Because of the IT hub of India this city have best in class restaurant across the city, This project is aim to open a new Indian restaurant in Bangalore which will have home like food. Now This city have many good Indian restaurants so finding a neighborhood which have less competition and more profit is the aim of this project.

Business Problem

The objective of this capstone project is to analyse and select the best location in Bangalore city to open a new Indian restaurant. Using Data science methodology and machine learning techniques like clustering, This project provide the solution to the business question: If anyone want to open a good Indian restaurant in Bangalore where they should open it ?

Target Audience

This pr oject is for investors and business persons who wants to open a new Indian restaurant in Bangalore city

Data

To solve this problem

Data required are

- List of neighbourhoods in Bangalore.
- Location of these neighbourhoods in terms of Latitude and Longitude
- Venue data of each neighbourhoods, which can be found from foursquare Api

The neighbourhood data is scrapped from Wikipedia page
Link: https://en.wikipedia.org/wiki/Category:Neighbourhoods_in_Bangalore

The latitude and longitude data is find through geopy library